

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A duplexer comprising: Duplexer,
[[-]] comprising an input filter (Rx filter),
[[a]] an output filter (Tx filter), and
[[an]] one or more of an isolation line and/or and a delay line, [-]]
wherein both the Rx and Tx filters comprise are designed as microwave (MW)
resonators comprising a ceramic body having in the form of continuous, internally
metallized holes in a shared ceramic body,
[[-]] whereby wherein the ceramic body includes a metal coating substantially
covering external surfaces of the ceramic body has a largely closed exterior metallization
except for [[one]] an end face and one or more recesses on the a bottom side of the
ceramic body,
[[-]] wherein the an output of the Rx filter situated on the bottom side of the
ceramic body is electrically connected to a balun, which is the balun being implemented
in [[an]] a low-temperature co-fired ceramic (LTCC) and is situated underneath on a
bottom side of the Rx filter, and

wherein whereby the ceramic body has a first smaller height in an area of than the Tx filter and a second height in [[the]] an area of the Rx filter, the second height being less than the first height.

2. (Currently Amended) The duplexer of Duplexer according to Claim 1, wherein the ceramic body has a recess on the bottom side of underneath the Rx filter and the balun is arranged in the recess.

3. (Currently Amended) The duplexer of Duplexer according to Claim 2, wherein [[the]] a height of the recess and approximately corresponds to the a height of the balun are about equal, so that the duplexer together with the balun has a uniform overall height.

4. (Currently Amended) The duplexer of Duplexer according to any one of Claims 2 or 3 claim 2, wherein the recess on the bottom side of the Rx filter with the balun is comprises a situated in the area of the non-metallized end face portion on a first end of the ceramic body, and the Rx filter has a the original overall height [[,]] corresponding to that a height of the Tx filter [,] on a second end, the second end being about the side opposite this end face the first end and having a different height than the first end.

5. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 4 claim 1, wherein further comprising internal metallization in a an internally metallized hole between the Rx filter and the Tx filter to form an internally metallized hole, the internally metallized hole being which is electrically connected at one a first end to the exterior metallization metal coating and at the other a second end to an antenna terminal, is situated between the Rx filter and the Tx filter.

6. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 5 claim 1, wherein:

the Tx filter comprises:

a first each filter has two MW resonators resonator;

a second MW resonator; and

with at least one decoupling resonator in between the first MW resonator and the second MW resonator; and

the Rx filter comprises:

a first MW resonator;

a second MW resonator; and

at least one decoupling resonator between the first MW resonator and the second MW resonator.

7. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 6 claim 1, wherein the balun is soldered to the ceramic body and is electrically connected to at least one of the terminals terminal of the duplexer.

8. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 6 claim 1, wherein the balun is glued attached to the ceramic body by using an electrically conductive conductuing adhesive, the electrically conductive adhesive forming an electrical connection between the balun and so that it is electrically connected to at least one of the terminals terminal of the duplexer.

9. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 8 claim 1, wherein [[the]] a height of the balun is between about 0.3 [[to]] and about 0.4 mm, the height of the balun being about equal to which corresponds approximately to the a height difference between the Rx filter and the Tx filter.

10. (Currently Amended) The duplexer of Duplexer according to any one of Claims 1 through 9 claim 1, wherein [[the]] an edge between the end face and the bottom side of the duplexer has comprises a step or a beveled edge and wherein [[the]] one or more terminal faces [[for]] of the duplexer extend over the step, or beveled edge.

11. (New) The duplexer of claim 3, wherein a sum of a height of duplexer and the height of the balun in a first region is approximately equal to a height of the duplexer in a second region.

12. (New) The duplexer of claim 3, wherein the duplexer and the balun has an about uniform overall height.

13. (New) The duplexer of claim 1, wherein an edge between the end face and the bottom side of the duplexer comprises a beveled edge and wherein one or more terminal faces of the duplexer extend over the beveled edge.

14. (New) The duplexer of claim 1, wherein the ceramic body comprises a shared ceramic body.